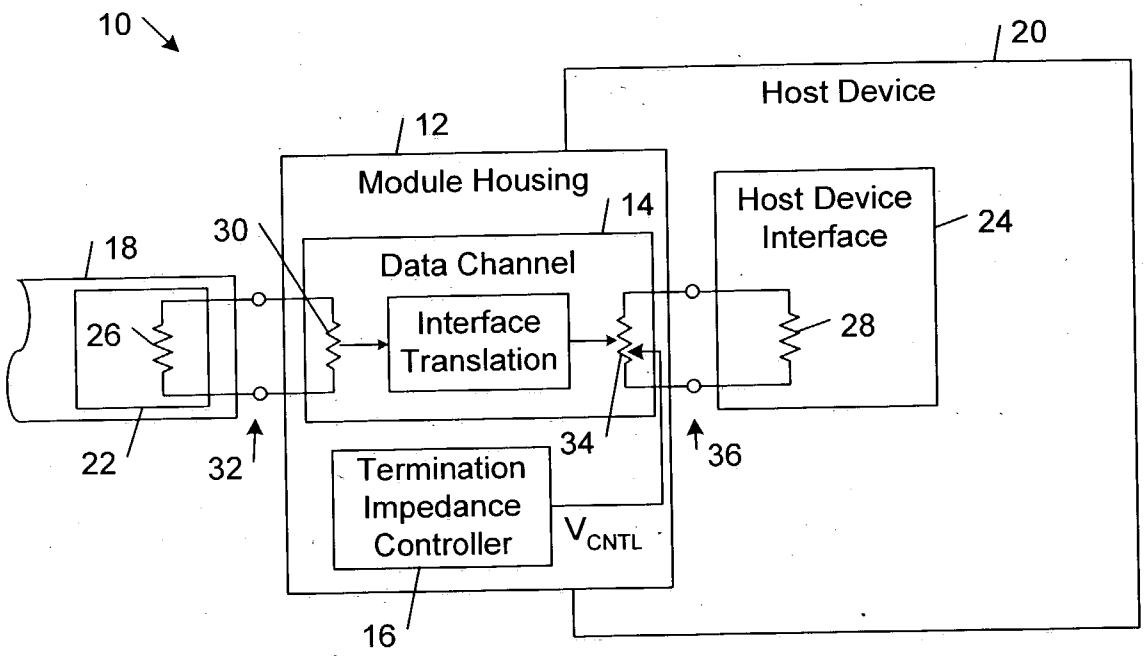
10
20
Host Device
12
Module Housing
14
Host Device Interface
24
18
30
Data Channel
Interface Translation
26
28
22
32
34
36
Termination Impedance Controller
V_{CNTL}
16

FIG. 1

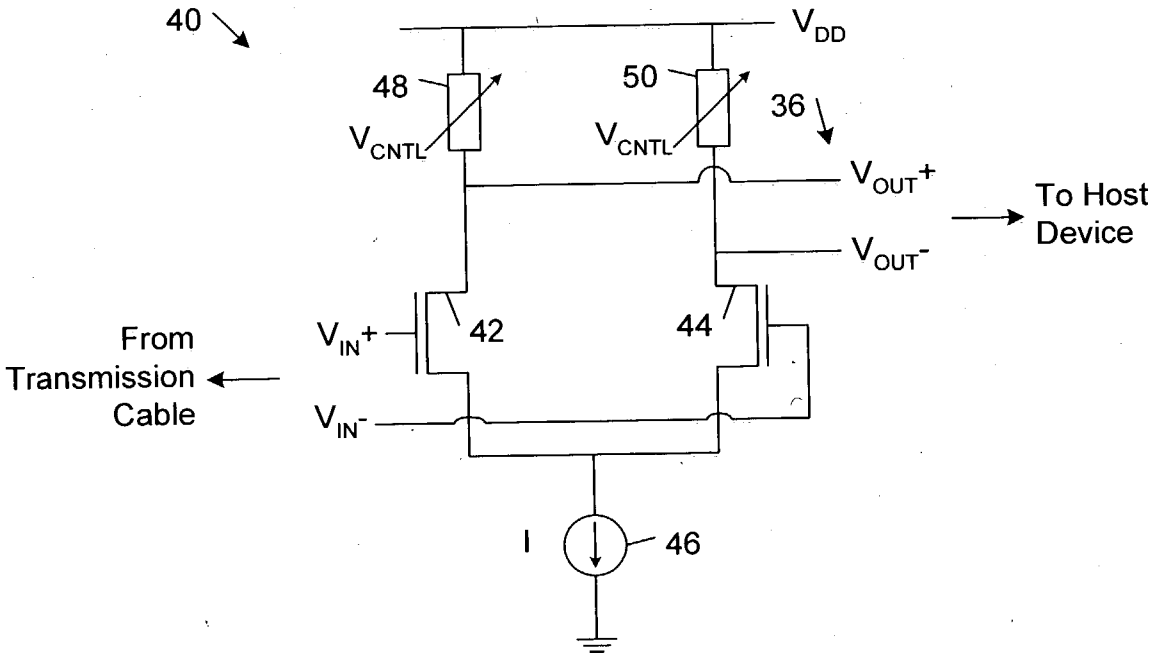
40
V_{DD}
48
50
36
V_{CNTL}
V_{CNTL}
V_{OUT}+
To Host Device
V_{OUT}-
From Transmission Cable
V_{IN}+
42
44
V_{IN}-
I
46

FIG. 2

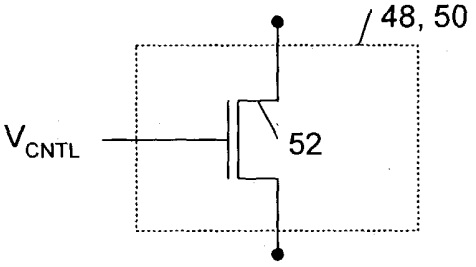

FIG. 3A

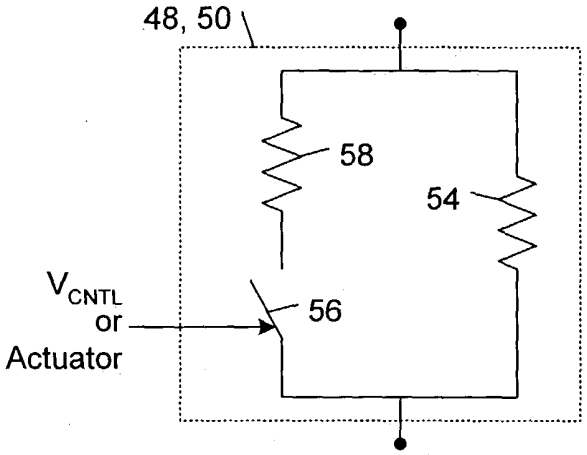

FIG. 3B

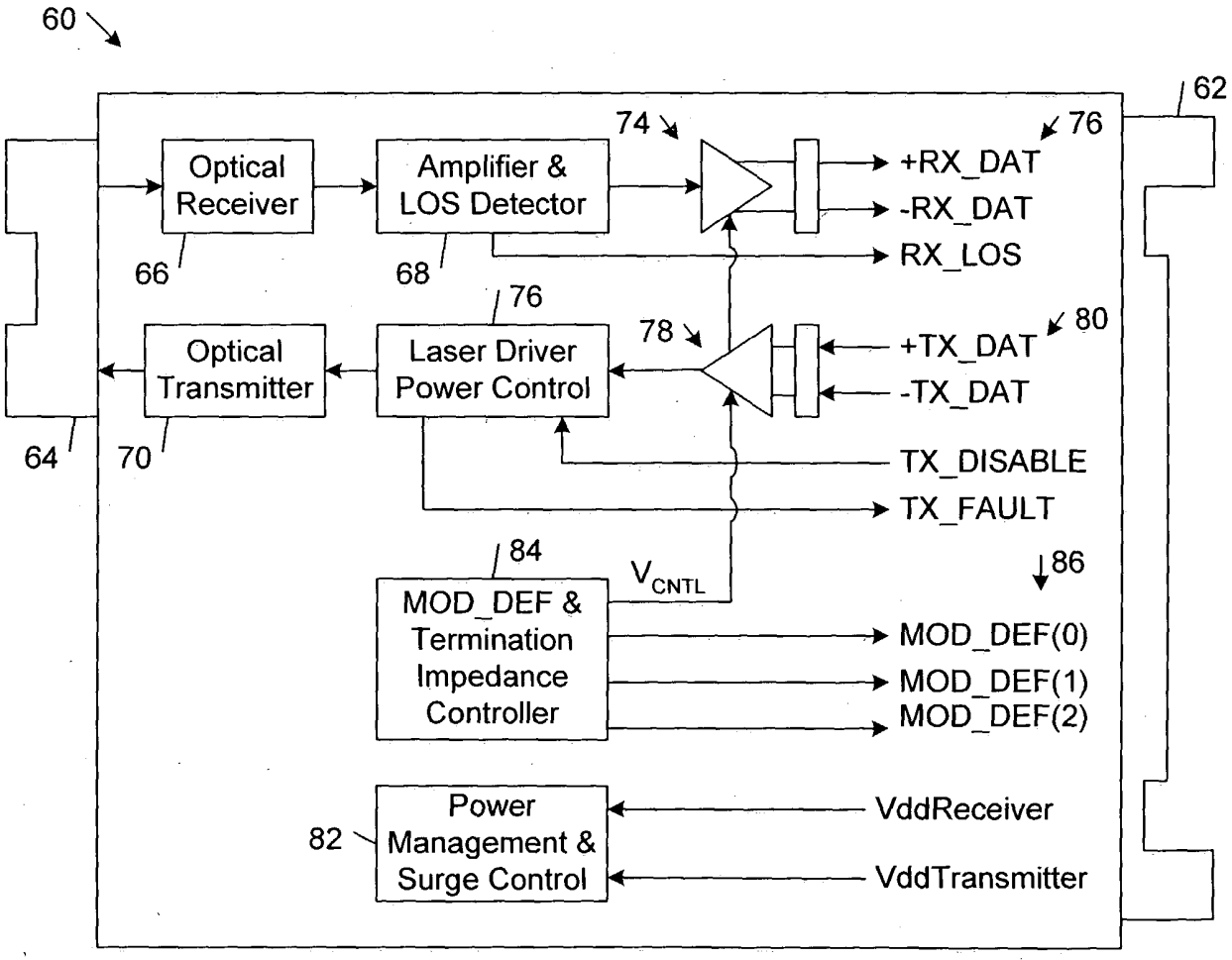

FIG. 4

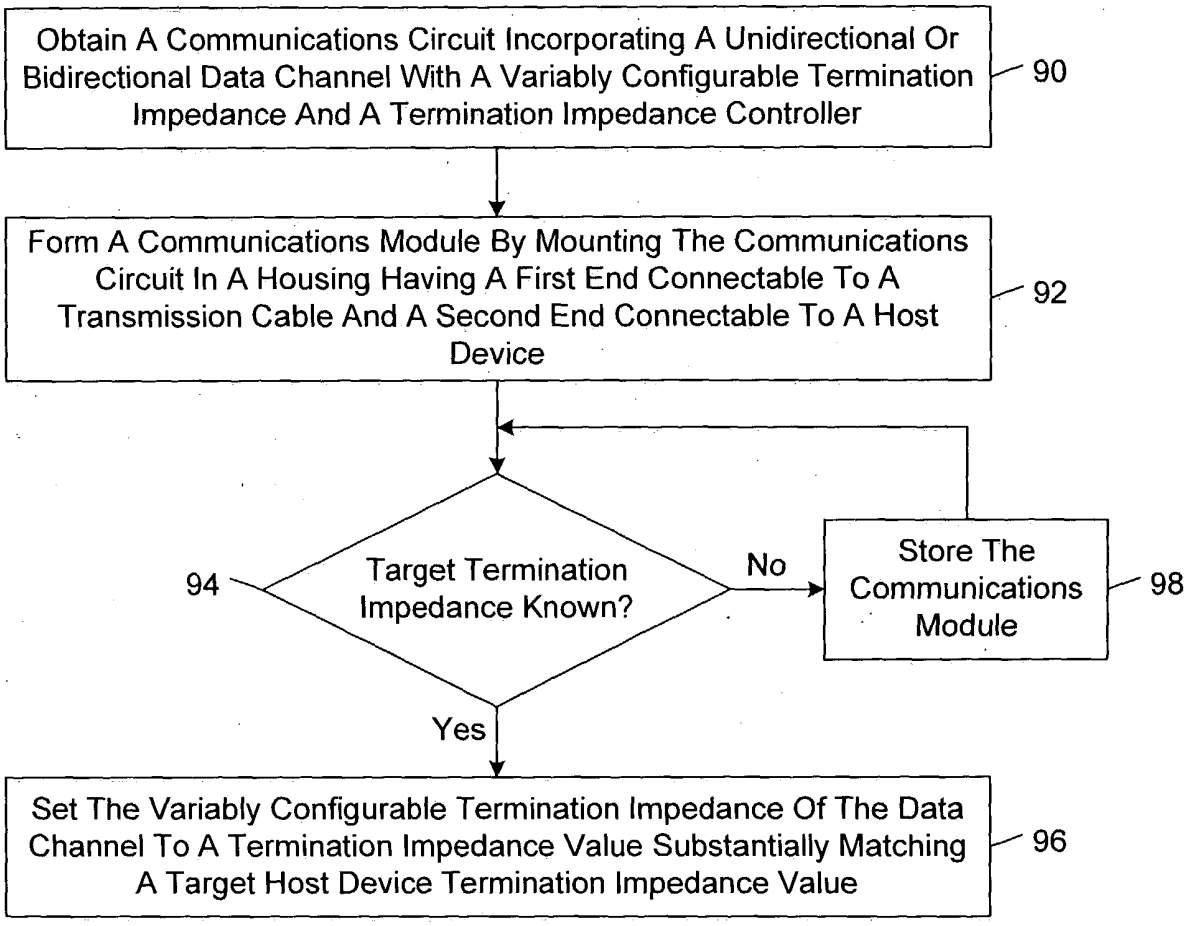
Obtain A Communications Circuit Incorporating A Unidirectional Or Bidirectional Data Channel With A Variably Configurable Termination Impedance And A Termination Impedance Controller
90
Form A Communications Module By Mounting The Communications Circuit In A Housing Having A First End Connectable To A Transmission Cable And A Second End Connectable To A Host Device
92
94
Target Termination Impedance Known?
No
Store The Communications Module
98
Yes
Set The Variably Configurable Termination Impedance Of The Data Channel To A Termination Impedance Value Substantially Matching A Target Host Device Termination Impedance Value
96

FIG. 5